

Application Serial No.: 10/621,478
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II. AMENDMENTS TO CLAIMS/CLAIMS LISTING

The below listing of claims replaces all prior versions and listings of claims in the application:

1-41. (Canceled).

42. (Currently Amended) A continuous roll composite material capable of being unrolled comprising a fibrous substrate wound over itself, the fibrous substrate having a starting surface area of greater than about 250g/cm² and a pyrocarbon addition that is (i) coated onto the fibrous substrate and/or (ii) infiltrated into the porosity of the fibrous substrate, wherein the variation in the mass of the pyrocarbon addition is less than about 20 weight percent, as determined by measuring sections of the composite material having the dimensions of 2 square feet taken at various positions along the length of the continuous roll, ~~and wherein said continuous roll composite material is capable of being unrolled.~~

43. (Original) The continuous roll composite material of claim 42, wherein the variation in the mass of the pyrocarbon addition is less than about 10 weight percent.

44. (Original) The continuous roll composite material of claim 43, wherein the variation in the mass of the pyrocarbon addition is less than about 5 weight percent.

45. (Original) The continuous roll composite material of claim 42, wherein the fibrous substrate comprises one of inorganic fibers and inorganic fiber whiskers.

46. (Previously Presented) The continuous roll composite material of claim 42, wherein the fibrous substrate material comprises a substantially flat sheet.

47. (Original) The continuous roll composite material of claim 46, wherein the fibrous substrate material is in a form selected from the group consisting of a woven fabric, a knitted fabric, a non-woven fabric, a felt, blanket, mat, web and a paper.

48. (Original) The continuous roll composite material of claim 42, wherein the fibrous substrate material comprises inorganic fibers and, optionally, inorganic fiber whiskers.

49. (Original) The continuous roll composite material of claim 48, wherein the inorganic fibers are selected from the group consisting of carbon fibers, graphite fibers, ceramic fibers, high temperature resistant glass fibers and refractory metal fibers.

50. (Original) The continuous roll composite material of claim 49, wherein the carbon fibers are derived from a precursor material selected from the group consisting of PAN, petroleum pitch and rayon.

51. (Original) The continuous roll composite material of claim 49, wherein the ceramic fibers are selected from the group consisting of silicon carbide, boron nitride, silicon nitride, alumina and alumino-silicates.

52. (Original) The continuous roll composite material of claim 48, wherein the inorganic fiber whiskers are selected from the group consisting of carbon whiskers and ceramic whiskers.

53. (New) The continuous roll composite material of claim 42, wherein the fibrous substrate has a starting surface area of greater than about $1,000\text{g/cm}^2$.

54. (New) The continuous roll composite material of claim 42, wherein the fibrous substrate has a starting surface area of greater than about $10,000\text{g/cm}^2$.

55. (New) The continuous roll composite material of claim 42, wherein the fibrous substrate comprises a two-dimensional woven fabric.

56. (New) The continuous roll composite material of claim 42, wherein the woven fabric comprises a woven fabric of carbon fibers.